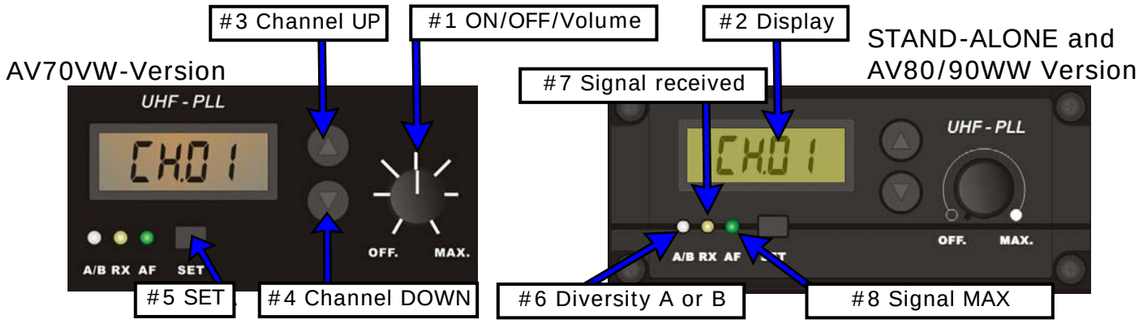
BUILT-IN and STAND-ALONE
UHF DIVERSITY Wireless Receiver



PLL RECEIVER:	Single/Double Channel PLL Receiver
Oscillation Type	PLL synthesized control OSC
Carrier frequency range	863 ~ 865 MHz (16 ch.)
Adjustable frequency	pre-programmed max. 16 switchable channels
Display status	LCD indicator displays channel
Channel select	SET, UP, DOWN key
Switching band-width	max. 12 MHz
Ambient temperature	-10 °C ~ 50 °C
Maximum deviation	80 kHz, with level limiting
Dynamic range	110 dB
T.H.D.	less than 0.5 %
Pre/De- emphasis	50 µs
Squelch	tone key and noise lock dual-squelch
Frequency response	70 Hz ~ 17 kHz @ AUX
Operating range	70 ~ 100 M (open field)
Antenna mode	Diversity
Sensitivity	4µV @ 30 dB SINAD
Double intermediate	110.6 MHz / 10.7 MHz
RF spurious rejection	70 dB
Adjacent channel performance	68 dB @ 250 kHz
IMD rejection	58 dB
Antenna	TNC connector swivel antenna (Stand-Alone) Build-In in DAN-SOUND AV-Series
Output level STAND ALONE Model	Mic-out 80mV @ 600© Ohm XLR-Balanced 700mV@ 10 kOhm
Power requirements STAND ALONE Model	100 ~ 240 VAC / 12 VDC, 1A switching power supply
Dimensions STAND ALONE Model	D 210 x W 215 x H 44 mm
Weight STAND ALONE model	1.2 kg

#1 ON/OFF/ Volume	*Always leave in OFF position when not in use !!* Turn up the knob a little and display will light up, showing the last channel chosen. Be sure that channel shown in receiver display corresponds with channel shown in Microphone display. Volume can now be increased gradually. Do not overturn !
#2 Display	Display shows chosen channel.
#3 Channel UP	Increases the channel number.
#4 Channel DOWN	Decreases the channel number
#5 SET	Keeping SET pushed for 2 seconds will make channel display flash - now ready for choosing another channel. After choosing new channel, a SHORT push will store your choice. This channel setting will be memorized.
#6 DIVERSITY (A/B)	Red/green LED indicates switching from A to B receiver in the DIVERSITY system. The best signal will constantly be chosen.
#7 Signal received (RX)	Yellow LED indicates that microphone signal are available. If a microphone transmitter is turned on but no light in yellow LED, please check that the channel on receiver and transmitter corresponds !!
#8 Signal maximum (AF)	This green LED will flash when signal strength reaches a maximum close to distortion limit. If higher sound pressure level is wanted, please turn up the volume - do not just raise your voice further.

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DAN-SOUND
WIRELESS SYSTEMS

Using Wireless Microphones:

- Turn on RECEIVER first and find a “vacant” channel where no ongoing traffic is noticed.
- Be then sure that microphone and receiver are tuned to the same channel.
- Only ONE transmitting microphone per receiver can be used at a time.
- Using TWO microphones at a time on ONE receiver will cause interference.
- ONE microphone can transmit to SEVERAL receivers - like a normal radio-broadcast.
- Models with two build-in receivers can of course accept TWO transmitting microphones.
- Choose two different channels when using two transmitting microphones.
- Operational distance will vary, depending on local conditions.
- The safest transmission is obtained when transmitter and receiver can “see” each other.
- The DIVERSITY receiver system is of great help avoiding drop-outs.
- DIVERSITY means that TWO independent receivers (A and B) with TWO antennas are in constant “competition” receiving the best signal.
- The electronic switching between receiver A and B are not audible.
- Microphone VOLUME is regulated independent of any other source.
- Operation close to loudspeaker might cause heavy feed-back.
- Never accept heavy sound distortion. Turn-down volume to appropriate level.
- Distortion might damage loudspeaker and amplifier - - and the human hearing !

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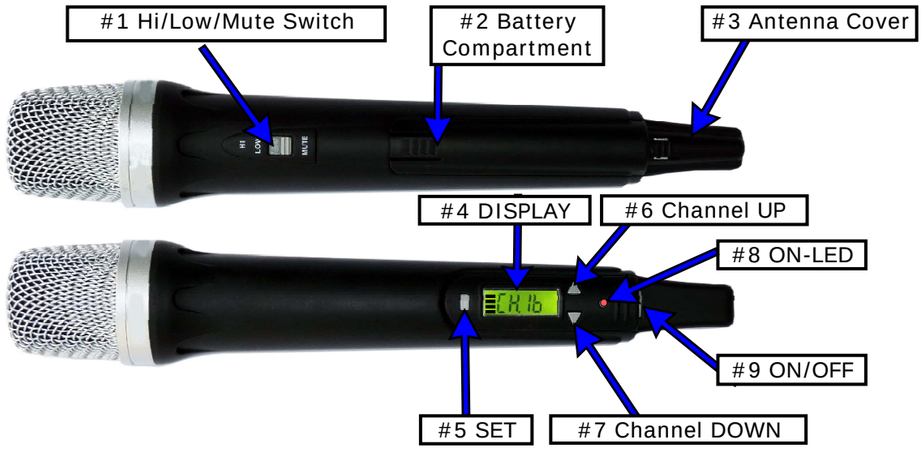
USER MANUAL

RoHS

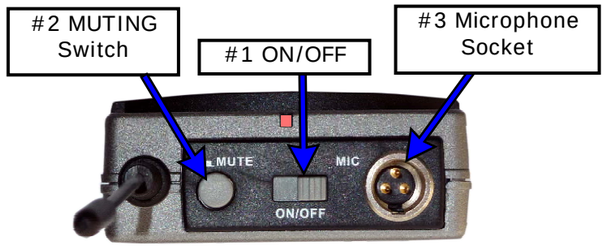
HAND HELD Wireless Microphone
701TM UHF

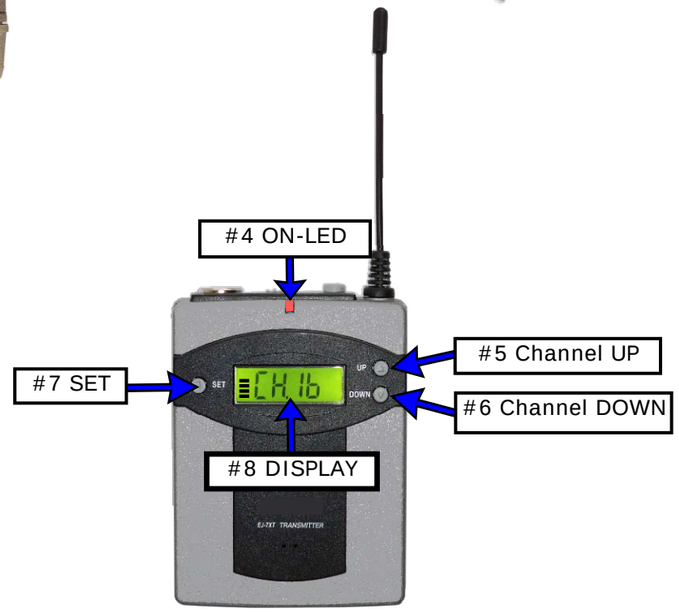


#1 Hi/Low/Mute Switch	Switching between HIGH and LOW Microphone sensitivity. HIGH for DISTANT position. LOW for CLOSE talk/singing. MUTE will silence the microphone, but keep the radio connection.
#2 Battery Compartment	REMOVE ANTENNA COVER ! Then slide towards antenna to open. Operates on TWO 1,5V Alkaline Batteries type AA (LR6 or MIGNON)
#3 Antenna Cover	4 different colours supplied for distant recognition of microphone. Also serves as “lock” for battery compartment and protection against unintentional switching off the transmission.
#4 Display	Display shows chosen channel and battery condition. Short push on ANY button will turn on the display backlight for 5-6 seconds.
#5 SET	Keeping SET pushed for 2-3 seconds will make channel display flash - ready for choosing another channel. After choosing new channel, a SHORT push will store your choice. This channel setting will be memorized.
#6 Channel UP	Increases the channel number
#7 Channel DOWN	Decreases the channel number
#8 ON-LED	The LED shows that radio transmission is ongoing.
#9 ON/OFF	Turn transmitter ON: Keep the button pushed for 2-3 seconds and ON will show-up in display. Turn transmitter OFF: Keep button pushed for 2-3 seconds and OFF will show-up in display. This delay is your protection for unintentional switching ON/OFF.

MICROPHONE:	***Handheld Microphone/transmitter***
Microphone	Cardioid Electret Condenser
Antenna	Built-in
RF output	10mW
Spurious emission	less than 250 nW
Audio input	
Input jack	
AF controls	Mute switch / Hi / Low
Adjustable frequency	pre-programmed max. 16 switchable channels
Battery	1.2 V (Ni-MH.1600 mAh) x 2 AA type rechargeable batteries or 1.5 V ×2 AA Alkaline disposable
Battery life Ni-MH. rechargea-ble	11 hours typical
Battery life Alkaline disposable	14 hours typical
Housing	Aluminum / Plastic
Dimensions	L 265 x Ø 45(max) / Ø 27 (min) mm
Weight with battery	235 g

BELT CLIP UHF Wireless Microphone
7XT w / Mini XLR





MICROPHONE:	***Bodypack Transmitter***
Microphone	Condenser Mic Headband / Tie-Clip
Antenna	flexible antenna
RF output	10 mW
Spurious emission	less than 250 nW
Audio input	Mic in, Aux in
Input jack	mini-XLR (EJ-7XT)
AF controls	Mute switch, Hi/ Mid/ Low switch
Adjustable frequency	pre-programmed max. 16 switchable channels
Battery	1.2 V (Ni-MH.1600 mAh) x 2 AA type rechargeable batteries or 1.5 V ×2 AA Alkaline dis-posable
Battery life Ni-MH. rechargeable	11 hours typical
Battery life Alkaline disposable	14 hours typical
Housing	aluminium
Dimensions	D 26 x W 64 x H 88 mm
Weight with battery	180 g

#1 ON/OFF	Slide the switch to ON. Display will show ON for 2 seconds. Display then show chosen channel and battery condition. Red LED will indicate radio transmission is on.
#2 MUTING Switch	Push MUTING for silencing the microphone signal. One more push will activate microphone again. Transmission is kept during MUTE
#3 Microphone Socket	Stable Mini-XLR connection for microphone. Head Band Microphone or Tie-clip microphone can be connected.
#4 ON-LED	The red LED indicates that transmission is ongoing.
#5 Channel up	Increases the channel number
#6 Channel down	Decreases the channel number
#7 SET	Keeping SET pushed for 2-3 seconds will make channel display flash - now ready for choosing another channel. After choosing new channel, a SHORT push will store your choice. This channel setting will be memorized.
#8 Display	Display shows chosen channel number and battery condition. Short push on ANY button will turn on the display backlight for 5-6 seconds.